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- Ferguson, Eugene S.: review of *World Industrial Archaeology*, by Kenneth Hudson. v205 p681-683 17 Aug 79.
- Ferris, Steven H.; Sathananthan, Gregory; Reisberg, Barry; Gershon, Samuel: Long-term choline treatment of memory-impaired elderly patients (technical comment). v205 p1039-1040 7 Sep 79.
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- Gascoyne, M.; Benjamin, G. J.; Schwarcz, H. P.; Ford, D. C.: Sea-level lowering during the Illinoian glaciation: evidence from a Bahama "blue hole." v205 p806-808 24 Aug 79.
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- Goldberg, Itzhak D.; Stemerman, Michael B.; Schnipper, Lowell E.; Ransil, Bernard J.; Crooks, Gary W.; Fuhrro, Robert L.: Vascular smooth muscle cell kinetics: a new assay for studying patterns of cellular proliferation in vivo. v205 p920-922 31 Aug 79.
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- H**
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- in infant rats. v205 p206-209 13 July 79.
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- K**
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- Knudsen, W. C.; Spenser, K.; Whitten, R. C.; Spreiter, J. R.; Miller, K. L.; Novak, V.: Thermal structure and energy influx to the day and nightside Venus ionosphere. v205 p105-107 6 July 79.
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- L**
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- M**
- Maas, James W.; Hattox, Susan E.; Greene, Nicholas M.; Landis, D. Harold: 3-Methoxy-4-hydroxyphenethyleneglycol production by human brain in vivo. v205 p1025-1027 7 Sep 79.
- MacDonald, J. Ferguson; Barker, Jeffery L.; Paul, Steven M.; Marangos, Paul J.; Skolnick, Philip: Inosine may be an endogenous ligand for benzodiazepine receptors on cultured spinal neurons. v205 p715-717 17 Aug 79.
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- Macklin, A. W.; Welch, R. M.; Cuatrecasas, P.: Drug safety: phenacetin (letter). v205 p144, 146, 148 13 July 79.
- Mailman, Richard B.; Breese, George R.; Krigman, Martin R.; Mushak, Paul; Mueller, Robert A.: Lead enhancement of lithium-induced polydipsia (technical comment). v205 p726 17 Aug 79.
- Maiti, I. B. and Kolattukudy, P. E.: Prevention of fungal infection of plants by specific inhibition of cutinase. v205 p507-508 3 Aug 79.
- Mansour, Tag E.: Chemotherapy of parasitic worms: new biochemical strategies. v205 p462-469 3 Aug 79.
- Marangos, Paul J. See MacDonald, J. Ferguson.
- Marcus, Ruth Barcan; Kuklick, Bruce; Bercovitch, Sacvan: "Uninformed consent" (letter). v205 p644 17 Aug 79.
- Marshall, William and Sekuler, Robert: Mutual repulsion between moving visual targets. v205 p1399-1401 28 Sep 79.
- Marshall, Eliot (news and comment): Agricultural network fights unwelcome gift. v205 p1108-1109 14 Sep 79. Califano exits HEW in classic form. v205 p669-670, 672 17 Aug 79. Carcinogens in Scotch. v205 p768-769 24 Aug 79. Carter hails solar age in pre-solstice rite. v205 p21, 23-24 6 July 79. Congress relents, spares OES bureau. v205 p769 24 Aug 79. Costs still climbing at Three Mile Island. v205 p475 3 Aug 79. FDA bans speed in diet pills. v205 p474-475 3 Aug 79. NAS begins study of antibiotics in feeds. v205 p982 7 Sep 79. President's commission reprimands NRC staff. v205 p983 7 Sep 79. Public attitudes to technological progress. v205 p281, 283-285 20 July 79. Scientists obtain potent hallucinogen, QNB. v205 p982-983 7 Sep 79. Selling SALT among the scientists. v205 p475 3 Aug 79. Senate skeptical on SALT verification. v205 p373-376, 378 27 July 79. Synfuels program born in confusion. v205 p1356-1357 28 Sep 79.
- Marshall, Kenneth C. and Engberg, Ingemar: Reversal potential for noradrenaline-induced hyperpolarization of spinal motoneurons. v205 p422-424 27 July 79.
- Martial, Joseph A.; Hallewell, Robert A.; Baxter, John D.; Goodman, Howard M.: Human growth hormone: complementary DNA cloning and expression in bacteria. v205 p602-607 10 Aug 79.
- Martin, Malcolm A. See Israel, Mark A.
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- Marwell, Gerald; Rosenfeld, Rachel; Spilerman, Seymour: Geographic constraints on women's careers in academia. v205 p1225-1231 21 Sep 79.
- Marx, Jean L. (research news): The annual Pap smear: an idea whose time has gone? v205 p177-178 13 July 79. Brain peptides: is substance P a transmitter of pain signals? v205 p886-889 31 Aug 79. Dysmenorrhea: basic research leads to a rational therapy. v205 p175-176 13 July 79. The HDL: the good cholesterol carriers? v205 p677-679 17 Aug 79. A potpourri of brain peptides. v205 p888 31 Aug 79.
- Marzola, D. L. and Bartholomew, D. P.: Photo-

- synthetic pathway and biomass energy production. v205 p555-559 10 Aug 79.
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- Masters, John C.: Interpreting "imitative" responses in early infancy (technical comment). v205 p215 13 July 79.
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- Mather, R. S.; Rizos, C.; Coleman, R.: Remote sensing of surface ocean circulation with satellite altimetry. v205 p11-17 6 July 79.
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- May, Robert M.; Beddington, John R.; Clark, Colin W.; Holt, Sidney J.; Laws, Richard M.: Management of multispecies fisheries. v205 p267-277 20 July 79.
- Mayo, Clara: review of *Sensitivity to Non-verbal Communication*, by Robert Rosenthal, Judith A. Hall, M. Robin DiMatteo, Peter L. Rogers, and Dane Archer. v205 p1370 28 Sep 79.
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- McGee, Henry A., Jr.: Camaraderie, not animosity (letter). v205 p856 31 Aug 79.
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- McVoy, K. W.: review of *Ions Lourds et Mésons en Physique Nucléaire*, edited by Roger Balian, Manneque Rho, and Georges Ripka. v205 p486-487 3 Aug 79.
- Medd, Bruce H.: Sleeping pills and insomnia (letter). v205 p6-7 6 July 79.
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- Meyer, Ronald L.: Retinotectal projection in goldfish to an inappropriate region with a reversal in polarity. v205 p819-821 24 Aug 79.
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- Morse, John W.; Mucci, Alfonso; Walter, Lynn M.; Kaminsky, Manfred S.: Magnesium interaction with the surface of calcite in seawater. v205 p904-905 31 Aug 79.
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- Nagase, Sumi; Shimamune, Kane; Shumiya, Seigo: Albumin-deficient rat mutant. v205 p590-591 10 Aug 79.
- Nagy, A. F.; Cravens, T. E.; Chen, R. H.; Taylor, H. A.; Jr.; Brace, L. H.; Brinton, H. C.: Comparison of calculated and measured ion densities on the dayside of Venus. v205 p107-109 6 July 79.
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- Nealson, K. H.: review of *Bioluminescence in Action*, edited by Peter J. Herring. v205 p893 31 Aug 79.
- Nelson, Gareth: review of *Sensory Biology of Sharks, Skates, and Rays*, edited by Edward S. Hodgson and Robert F. Mathewson. v205 p387 27 July 79.
- Nelson, Hans. See Kvenvolden, Keith A.
- Newman, Stuart A. and Frisch, H. L.: Dynamics of skeletal pattern formation in developing chick limb. v205 p662-668 17 Aug 79.
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- Oblad, Alex G.: Synfuel development (letter). v205 p1204 21 Sep 79.
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- Orbach, Raymond: Basic research: the need for lateral movement (editorial). v205 p149 13 July 79.
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- Oyama, V. I.; Carle, G. C.; Woeller, F.; Polack, J. B.: Laboratory corroboration of the Pioneer Venus gas chromatograph analyses. v205 p52-54 6 July 79.

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- Paine, R. T.: Disaster, catastrophe, and local persistence of the sea palm *Postelsia palmaeformis*. v205 p685-687 17 Aug 79.
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- Penzias, Arno A.: The origin of the elements. v205 p549-554 10 Aug 79.
- Peterson, Harold T., Jr.: Nuclear industry: safety record (letter). v205 p544-545 10 Aug 79.
- Pettengill, Gordon H.; Ford, Peter G.; Brown, Walter E.; Kaula, William M.; Masursky, Harold; Eliason, Eric; Ill, George E.: Venus: preliminary topographic and surface imag-

- ing results from the Pioneer orbiter. v205 p90-93 6 July 79.
- Phillips, O. M.: review of *Energy from the Waves*, by David Ross. v205 p780 24 Aug 79.
- Phillips, Roger J.; Sjogren, William L.; Abbott, Elsa A.; Smith, John C.; Wimberly, Ray N.; Wagner, Carl A.: Gravity field of Venus: a preliminary analysis. v205 p93-96 6 July 79.
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- Pinter, P. J., Jr.; Stanghellini, M. E.; Reginato, R. J.; Idso, S. B.; Jenkins, A. D.; Jackson, R. D.: Remote detection of biological stresses in plants with infrared thermometry. v205 p585-587 10 Aug 79.
- Pittman, Q. J. See Renaud, L. P.
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- Pollack, J. B. See Oyama, V. I.
- Pollack, James B.; Ragent, Boris; Boese, Robert; Tomasko, Martin G.; Blamont, Jacques; Knollenberg, Robert G.; Esposito, Larry W.; Stewart, A. Ian; Travis, Lawrence: Nature of the ultraviolet absorber in the Venus clouds: inferences based on Pioneer Venus data. v205 p76-79 6 July 79.
- Pollack, James R. and Black, David C.: Implications of the gas compositional measurements of Pioneer Venus for the origin of planetary atmospheres. v205 p56-59 6 July 79.
- Pontryagin, L. S.: Soviet anti-Semitism: reply by Pontryagin (letter). v205 p1083-1084 14 Sep 79.
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- Prausnitz, J. M.: Molecular thermodynamics for chemical process design. v205 p759-766 24 Aug 79.
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- Reitsem, Harold J.: Reliability of minor planet satellite observations. v205 p185-186 13 July 79.
- Reitz, Richard H.; Quast, John V.; Watanabe, Philip G.; Gehring, Perry J.: Chemical carcinogens: estimating the risk (letter). v205 p1206-1208 21 Sep 79.
- Renaud, L. P.; Blume, H. W.; Pittman, Q. J.; Lamour, Y.; Tan, A. T.: Thyrotropin-releasing hormone selectively depresses glutamate excitation of cerebral cortical neurons. v205 p1275-1277 21 Sep 79.
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- Rhine, J. B.: Parapsychology—a correction (letter). v205 p144 13 July 79.
- Ribak, Charles E.; Harris, A. Basil; Vaughn, James E.; Roberts, Eugene: Inhibitory, GABAergic nerve terminals decrease at sites of focal epilepsy. v205 p211-214 13 July 79.
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- Roberts, D. H.; Greenfield, P. E.; Burke, B. F.: The double quasar 0957+561: a radio study at 6-centimeter wavelength. v205 p894-896 31 Aug 79.
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- Robinson, Arthur L. (research news): How to do EXAFS in your own laboratory. v205 p1367 28 Sep 79. Making nondestructive evaluation a science. v205 p477-479 3 Aug 79. New evidence for fifth quark. v205 p777 24 Aug 79. New testing methods could boost air safety. v205 p29-31 6 July 79. Plasmas produce very intense x-ray pulses. v205 p1238-1241 21 Sep 79.
- Robinson, Barbara. See Robinson, Michael H.
- Robinson, Michael H. and Robinson, Barbara: By dawn's early light: matutinal mating and sex attractants in a neotropical mantid. v205 p825-827 24 Aug 79.
- Robinson, Robert G.: Differential behavioral and biochemical effects of right and left hemispheric cerebral infarction in the rat. v205 p707-710 17 Aug 79.
- Robinson, T. J.; Archer, J. A.; Gambhir, K. K.; Hollis, V. W., Jr.; Carter, L.; Bradley, C.: Erythrocytes: a new cell type for the evaluation of insulin receptor defects in diabetic humans. v205 p200-202 13 July 79.
- Roehrig, Paul G.: Nitrite study (letter). v205 p356 27 July 79.
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- Root, Richard B.: review of *Diversity of Insect Faunas*, edited by L. A. Mound and N. Waloff. v205 p484-485 3 Aug 79.
- Rose, Richard J.; Harris, E. L.; Christian, J. C.; Nance, W. E.: Genetic variance in nonverbal intelligence: data from the kinships of identical twins. v205 p1153-1155 14 Sep 79.
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- Russell, C. T.; Elphic, R. C.; Slavin, J. A.: Initial Pioneer Venus magnetic field results: nighttime observations. v205 p114-116 6 July 79.
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- Russell, M. A.: review of *Genetic Mosaics and Cell Differentiation*, edited by V. J. Gehring. v205 p1370-1371 28 Sep 79.
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- Saba, Hussain I.; Saba, Sabiha R.; Blackburn, Cynthia A.; Hartmann, Robert C.; Mason, Reginald G.: Heparin neutralization of PGI₂: effects upon platelets. v205 p499-501 3 Aug 79.
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- Schuphan, Ingolf; Rosen, Joseph D.; Casida, John E.: Novel activation mechanism for the promutagenic herbicide diallate. v205 p1013-1015 7 Sep 79.
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- Schwartz, William J.; Smith, Carolyn B.; Davidsen, Leslie; Savaki, Helen; Sokoloff, Louis; Mata, Marina; Fink, David J.; Gainer, Harold: Metabolic mapping of functional activity in the hypothalamo-neurohypophysial

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- system of the rat. v205 p723-725 17 Aug 79.
- Seiff, Alvin; Kirk, Donn B.; Young, Richard E.; Sommer, Simon C.; Blanchard, Robert C.; Findlay, John T.; Kelly, G. M.: Thermal contrast in the atmosphere of Venus: initial appraisal from Pioneer Venus probe data. v205 p46-48 6 July 79.
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- Seyfeler, Dietmar: review of *Reactive Intermediates*, edited by Maitland Jones, Jr., and Robert A. Moss. v205 p487-488 3 Aug 79.
- Seyfried, Thomas N.; Glaser, Gilbert H.; Yu, Robert K.: Thyroid hormone influence on the susceptibility of mice to audiogenic seizures. v205 p598-600 10 Aug 79.
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- Sherwood, Morgan: review of *Minerals, Lands, and Geology for the Common Defence and General Welfare*, by Mary C. Rabbitt. v205 p891-893 31 Aug 79.
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- Shulman, R. G.; Brown, T. R.; Ugurbil, K.; Ogawa, S.; Cohen, S. M.; den Hollander, J. A.: Cellular applications of ^{31}P and ^{13}C nuclear magnetic resonance. v205 p160-166 13 July 79.
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- Smith, Earl L., III. See Boltz, Roger L.
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- Brackbill, Yvonne: Fetal research ethics (letter). v206 p404-405 26 Oct 79.
- Brandeis, Leslie. See Pearson, John.
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- Bridge, H. S.; Belcher, J. W.; Lazarus, A. J.; Sullivan, J. D.; Bagenal, F.; McNutt, R. L., Jr.; Ogilvie, K. W.; Scudder, J. D.; Sittler, E. C.; Vasyliunas, V. M.; Goertz, C. K.: Plasma observations near Jupiter: initial results from Voyager 2. v206 p972-976 23 Nov 79.
- Briggs, Geoffrey. See Smith, Bradford A.
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- Brittain, James E.: review of *Electricity before Nationalisation*, by Leslie Hannah. v206 p52-53 5 Oct 79.
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- Brooks, James M.: Deep methane maxima in the northwest Caribbean Sea: possible seepage along the Jamaica Ridge. v206 p1069-1071 30 Nov 79.
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- Brown, Lucy L.; Makman, Maynard H.; Wolfson, Leslie I.; Dvorkin, B.; Warner, Carolyn; Katzman, Robert: A direct role of dopamine in the rat subthalamic nucleus and an adjacent intrapeduncular area. v206 p1416-1418 21 Dec 79.
- Brown, Nigel A.; Goulding, Eugenia H.; Fabro, Sergio: Ethanol embryotoxicity: direct effects on mammalian embryos in vitro. v206 p573-575 2 Nov 79.
- Brown, Patrick O. and Cozzarelli, Nicholas R.: A sign inversion mechanism for enzymatic supercoiling of DNA. v206 p1081-1083 30 Nov 79.
- Brownlee, D. E. See Esat, Tezer M. See also Ganapathy, R.

- Brownlee, Michael and Cerami, Anthony: A glucose-controlled insulin-delivery system: semisynthetic insulin bound to lectin. v206 p1190-1191 7 Dec 79.
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- Burk, L. G.; Gerstel, D. U.; Wernsman, E. A.: Maternal haploids of *Nicotiana tabacum* L. from seed. v206 p585 2 Nov 79.
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- C**
- Cade, Tom J. and Clark, A. Ludlow: review of *Eleonora's Falcon*, by Hartmut Walter. v206 p211-212 12 Oct 79.
- Cairns, R. E., Jr.: review of *Chemistry and Chemical Engineering in the People's Republic of China*, edited by John D. Baldeschwieler. v206 p1296-1298 14 Dec 79.
- Campbell, B. E. See Mallozzi, P. J.
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- Cooper, W. C.; Murchio, J.; Popenodorf, W.; Wenk, H. R.: Chrysotile asbestos in a California recreational area. v206 p685-689 9 Nov 79.
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- Cowan, Alan; Geller, Ellen B.; Adler, Martin W.: Classification of opioids on the basis of change in seizure threshold in rats. v206 p465-467 26 Oct 79.
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- Crick, Francis: Crick looks back on DNA (news and comment). v206 p667 9 Nov 79.
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- Cronin, John R.; Pizzarello, Sandra; Moore, Carleton B.: Amino acids in an Antarctic carbonaceous chondrite. v206 p335-337 19 Oct 79.
- Cruikshank, Alexander M.: Gordon Research Conferences (letter). v206 p510 2 Nov 79. Gordon Research Conferences: winter program, 1980. v206 p365-370 19 Oct 79.
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- Della-Fera, Mary Anne and Baile, Clifton A.: Cholecystokinin octapeptide: continuous picomole injections into the cerebral ventricles of sheep suppress feeding. v206 p471-473 26 Oct 79.
- DeLuca, Hector F. See Stumpf, Walter E.
- DeMaggio, A. E.; Greene, Carolyn; Unal, Serap; Steller, David: Microbodies in germinating fern spores: evidence for glyoxysomal activity. v206 p580-582 2 Nov 79.
- Dennison, David S. See Harris, Sally S.
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- De Vecchi, Vittorio: review of *Spencer Fullerton Baird and the U.S. Fish Commission*, by Dean Conrad Allard, Jr. v206 p210 12 Oct 79.
- Devaney, Robert L.: review of *Instabilities in Dynamical Systems*, edited by Victor G. Szebehely. v206 p212-213 12 Oct 79.
- Dewey, John F.: review of *Geological and Geophysical Investigations of Continental Margins*, edited by Joel S. Watkins, Lucien Montadert, and Patricia Wood Dickerson. v206 p1296 14 Dec 79.
- Diamond, A. Leonard: Microsecond sensitivity of the human visual system to irregular flicker. v206 p708-710 9 Nov 79.
- Di Chiro, Giovanni and Brooks, Rodney A.: The 1979 Nobel prize in physiology or medicine (research news). v206 p1060-1062 30 Nov 79.
- Diener, T. O.: Viroid discovery (letter). v206 p886 23 Nov 79.
- Dilger, James P.; McLaughlin, Stuart G. A.; McIntosh, Thomas J.; Simon, Sidney A.: The dielectric constant of phospholipid bilayers and the permeability of membranes to ions. v206 p1196-1198 7 Dec 79.
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- Dukelow, W. Richard: Human chorionic gonadotropin: induction of ovulation in the squirrel monkey. v206 p234-235 12 Oct 79.
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- Esat, Tezer M.; Brownlee, D. E.; Papanastasiou, D. A.; Wasserburg, G. J.: Magnesium isotopic composition of interplanetary dust particles. v206 p190-197 12 Oct 79.
- Eshleman, V. R.; Tyler, G. L.; Wood, G. E.; Lindal, G. F.; Anderson, J. D.; Levy, G. S.; Croft, T. A.: Radio science with Voyager at Jupiter: initial Voyager 2 results and a Voyager 1 measure of the Io torus. v206 p959-962 23 Nov 79.
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- Felsenstein, Joe: review of *Quantitative Genetic Variation*, edited by James N. Thompson, Jr., and J. M. Thoday. v206 p549 2 Nov 79.
- Field, G. B.: review of *Disturbing the Universe*, by Freeman Dyson. v206 p675-676 9 Nov 79.
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- Frome, Francine S.; Levinson, John Z.; Danielson, John T.; Clavadtcher, John E.: Shifts in perception of size after adaptation to gratings. v206 p1327-1329 14 Dec 79.
- Funder, John: All really great lies are half true (editorial). v206 p1139 7 Dec 79.
- Furcinitti, Paul S. and Todd, Paul: Gamma rays: further evidence for lack of a threshold dose for lethality to human cells. v206 p475-477 26 Oct 79.

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46° halo and its arcs. v206 p643-649 9 Nov 79.

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- Hankins, Thomas L.: review of *Electricity in the 17th and 18th Centuries*, by J. L. Heilbron. v206 p1065-1067 30 Nov 79.
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- Harbottle, Garman; Sayre, E. V.; Stoenner, R. W.: Carbon-14 dating of small samples by proportional counting. v206 p683-685 9 Nov 79.
- Harik, Sami I.; LaManna, Joseph C.; Light, Andrew I.; Rosenthal, Myron: Cerebral nor-epinephrine: influence on cortical oxidative metabolism in situ. v206 p69-71 5 Oct 79.
- Harris, Lauren Julius: review of *Sex-Related Differences in Cognitive Functioning*, edited by Michelle Andrisin Wittig and Anne C. Petersen. v206 p50-52 5 Oct 79.
- Harris, Sally S. and Dennison, David S.: *Phycomyces*: interference between the light growth response and the avoidance response. v206 p357-358 19 Oct 79.

- Hartline, Frederick F.: Lowering the cost of alcohol (research news). v206 p41-42 5 Oct 79.
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- Herrenkohl, Lorraine Roth: Prenatal stress reduces fertility and fecundity in female offspring. v206 p1097-1099 30 Nov 79.
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- Heys, Roger W.: National Science Foundation hearings (editorial). v206 p1265 14 Dec 79.
- Hiatt, Howard H.: Environmental health research (editorial). v206 p1361 21 Dec 79.
- Hines, C. O.: review of *Solar-Terrestrial Influences on Weather and Climate*, edited by Billy M. McCormac and Thomas A. Seliga, and *Sun, Weather, and Climate*, by John R. Herman and Richard A. Goldberg. v206 p1396 21 Dec 79.
- Hirst, Eric: Understanding energy conservation (editorial). v206 p513 2 Nov 79.
- Hodge, Robert W.: review of *The Inequality of Pay*, by Henry Phelps Brown. v206 p209-210 12 Oct 79.
- Holberg, J. B. See Sandel, B. R.
- Holden, Constance (news and comment): Centenarians and representatives. v206 p1057 30 Nov 79. China's leaders explain views on science. v206 p31 5 Oct 79. Cracking down on illegal wildlife trade. v206 p801-802 16 Nov 79. Ethics in social science research. v206 p537-538, 540 2 Nov 79. Experts gather to talk turtle. v206 p1383-1384 21 Dec 79. FDA tells senators of doctors who fake data in clinical drug trials. v206 p432-433 26 Oct 79. Headache for Bristol-Myers. v206 p540-541 2 Nov 79. Human rights for tribal people. v206 p1161 7 Dec 79. Macht durch weisheit. v206 p1056-1057 30 Nov 79. NRC shuts down submarine fuel plant. v206 p30, 32 5 Oct 79. Park is sought to save Indian tribe in Brazil. v206 p1160, 1162 7 Dec 79. Rattlesnake defender to keep his job. v206 p541 2 Nov 79. Specimen bank set up. v206 p1057 30 Nov 79.
- Holmes, Richard T.; Schultz, John C.; Northnagle, Philip: Bird predation on forest insects: an enclosure experiment. v206 p462-463 26 Oct 79.
- Holmquist, Richard and Conroy, Thomas: β -Galactosidase and selective neutrality (technical comment). v206 p235 12 Oct 79.
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- Horn, L. See Hanel, R.
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- Horoszewicz, Julius S.; Leong, Susan S.; Carter, William A.: Noncycling tumor cells are sensitive targets for the antiproliferative ac-

- tivity of human interferon. v206 p1091-1093 30 Nov 79.
- Horowitz, Irving Louis: Social science research ethics (letter). v206 p1022 30 Nov 79.
- Horrocks, William DeW., Jr., and Sudnick, Daniel R.: Time-resolved europium(III) excitation spectroscopy: a luminescence probe of metal ion binding sites. v206 p1194-1196 7 Dec 79.
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- Irwin, Carleen A.; Fletcher, Gail; Sills, Cynthia L.; Walker, James R.: Expression of the *Escherichia coli* cell division gene *sep* cloned in a λ Charon phage. v206 p220-222 12 Oct 79.
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- Janoff, A.; Carp, H.; Lee, D. K.; Drew, R. T.: Cigarette smoke inhalation decreases α_1 -antitrypsin activity in rat lung. v206 p1313-1314 14 Dec 79.
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- Jarett, L. and Seals, J. R.: Pyruvate dehydrogenase activation in adipocyte mitochondria by an insulin-generated mediator from muscle. v206 p1407-1048 21 Dec 79.
- Jeanloz, Raymond; Ahrens, T. J.; Mao, H. K.; Bell, P. M.: B1-B2 transition in calcium oxide from shock-wave and diamond cell experiments. v206 p829-830 16 Nov 79.
- Jefferies, William McK.: Prednisone therapy and birth weight (technical comment). v206 p96-97 5 Oct 79.
- Jeffrey, A. M.; Grzeskowiak, K.; Weinstein, I. B.; Nakanishi, K.; Roller, P.; Harvey, R. G.: Benzo(a)pyrene-7-8-dihydrodiol-9,10-oxide adenosine and deoxyadenosine adducts: structure and stereochemistry. v206 p1309-1311 14 Dec 79.
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- Kiehn, Timothy E.; Bernard, Edward M.; Gold, Jonathan W. M.; Armstrong, Donald: Candidiasis: detection by gas-liquid chromatography of D-arabinol, a fungal metabolite, in human serum. v206 p577-580 2 Nov 79.
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- Knoll, Andrew H.; Niklas, Karl J.; Tiffney, Bruce H.: Phanerozoic land-plant diversity in North America. v206 p1400-1402 21 Dec 79.
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- Krasne, Frank: review of *Behavioral Biology of Aplysia*, by Eric R. Kandel. v206 p922-923 23 Nov 79.
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- Krimigis, S. M.; Armstrong, T. P.; Axford, W. I.; Bostrom, C. O.; Fan, C. Y.; Gloeckler, G.; Lanzerotti, L. J.; Keath, E. P.; Zwickl, R. D.; Carbary, J. F.; Hamilton, D. C.: Hot plasma environment at Jupiter: Voyager 2 results. v206 p977-984 23 Nov 79.
- Krnjević, K. and Reinhardt, W.: Choline excites cortical neurons. v206 p1321-1323 14 Dec 79.
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- herz, Ellis L.; Schlossman, Stuart F.: Monoclonal antibodies defining distinctive human T cell surface antigens. v206 p347-349 19 Oct 79.
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- Kuwada, Shigeyuki; Yin, Tom C. T.; Wickesberg, Robert E.: Response of cat inferior colliculus neurons to binaural beat stimuli: possible mechanisms for sound localization. v206 p586-588 2 Nov 79.
- ### L
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- Mallozzi, P. J.; Schwerzel, R. E.; Epstein, H. M.; Campbell, B. E.: Laser-EXAFS: fast extended x-ray absorption fine structure spectroscopy with a single pulse of laser-produced x-rays. v206 p353-355 19 Oct 79.
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- Tucker, Philip W., Marcu, Kenneth B.; Sligh-
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